

### **Westurne Heights Water Analysis - 2018 Monthly Report**



		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Dec-18	Well Head	0	0	0	0	9	7.25	0.47	49.8	0.05	105.6	0.13	0.080
3-Dec-18	1252 Westurne Heights	0	0	0	0	7	7.24	0.52	50.3	0.05	106.6	0.14	0.000
10-Dec-18	1263 Westurne Hieghts	0	0	0	0	5	7.29	0.48	48.8	0.05	103.6		
10-Dec-18	Well Head	0	0	0	0	9	7.35	0.44	49.4	0.05	104.8		
17-Dec-18	1252 Westurne Heights	0	0	0	0	6	7.20	0.56	49.4	0.05	104.7		
	Average	0	0	0	0	7.2	7.3	0.49	49.5	0.05	105.1	0.14	0.040
	Maximum	0	0	0	0	9	7.35	0.56	50.3	0.05	106.6	0.14	0.08
	Minimum	0	0	0	0	5	7.2	0.44	48.8	0.05	103.6	0.13	0.000

#### Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

\*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### Comments:



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Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
7-Nov-18	1263 Westurne Heights	0	0	0	0	11	7.12	0.54	51.3	0.05	108.8	0.12	0.006
7-Nov-18	Well Head	0	0	0	0	9	7.20	0.50	50.9	0.05	107.8		
14-Nov-18	1252 Westurne Heights			0	0	8	7.62	0.54	50.0	0.05	106.8		
19-Nov-18	Well Head	0	0	0	0	9	7.33	0.49	50.5	0.05	106.9		
19-Nov-18	1252 Westurne Heights	0	0	0	0	8	7.36	0.51	50.5	0.05	106.8		
27-Nov-18	1263 Westurne Heights			0	0	8	7.32	0.51	50.2	0.05	106.3		
	Average	0	0	0	0	8.8	7.3	0.52	50.6	0.05	107.2	0.12	0.006
	Maximum	0	0	0	0	11	7.62	0.54	51.3	0.05	108.8	0.12	0.006
	Minimum	0	0	0	0	8	7.12	0.49	50.0	0.05	106.3	0.12	0.006

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Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
1-Oct-18	1263 Westurne Heights	0	0	0	0	12	7.37	0.33	51.4	0.05	108.9	0.09	0.016
1-Oct-18	Well head	0	0	0	0	9	7.32	0.40	51.3	0.05	108.7	0.11	0.000
9-Oct-18	1252 Westurne Heights			0	0	13	7.38	0.43	51.3	0.05	108.2		
15-Oct-18	Well head	0	0	0	0	8	7.24	0.62	51.0	0.05	108.0		
15-Oct-18	1252 Westurne Heights	0	0	0	0	11	7.21	0.62	51.2	0.05	108.4		
23-Oct-18	1263 Westurne Heights			0	0	9	7.59	0.60	51.3	0.05	108.6		
30-Oct-18	Well head			0	0	9	7.33	0.59	51.4	0.05	109.0		
	Average	0	0	0	0	10.1	7.3	0.51	51.3	0.05	108.5	0.10	0.008
	Maximum	0	0	0	0	13	7.59	0.62	51.4	0.05	109	0.11	0.016
	Minimum	0	0	0	0	8	7.21	0.33	51	0.05	108	0.09	0.000

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		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
5-Sep-18	1263 Westurne Heights	0	0	0	0	17	7.30	0.34	50.8	0.05	107.8	0.11	0.009
5-Sep-18	Well head	0	0	0	0	11	7.32	0.43	50.8	0.05	107.9	0.10	0.028
10-Sep-18	Well head			0	0	9	7.30	0.47	50.4	0.05	106.9		
17-Sep-18	Well head	0	0	0	0	9	7.39	0.50	50.3	0.05	106.3		
17-Sep-18	1252 Westurne Heights	0	0	0	0	15	7.35	0.51	50.9	0.05	107.9		
24-Sep-18	Well head			0	0	9	7.35	0.50	50.8	0.05	107.6		
	Average	0	0	0	0	11.7	7.3	0.46	50.7	0.05	107.4	0.11	0.019
	Maximum	0	0	0	0	17	7.39	0.51	50.9	0.05	107.9	0.11	0.028
	Minimum	0	0	0	0	9	7.30	0.34	50.3	0.05	106.3	0.10	0.009

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		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
7-Aug-18	Well Head	0	0	0	0	9	7.12	0.42	49.4	0.05	104.9	0.08	0.022
7-Aug-18	1263 Westurne Heights	0	0	0	0	22	7.10	0.45	49.8	0.05	105.6	0.09	0.004
13-Aug-18	Well Head			0	0	9	7.23	0.50	48.4	0.05	102.7		
20-Aug-18	Well Head	0	0	0	0	9	7.52	0.60	49.8	0.05	105.9		
20-Aug-18	1252 Westurne Heights	0	0	0	0	18	7.46	0.59	50.4	0.05	106.7		
29-Aug-18	Well Head			0	0	9	7.32	0.52	50.1	0.05	106.3		
	Average	0	0	0	0	12.7	7.3	0.51	49.7	0.05	105.4	0.09	0.013
	Maximum	0	0	0	0	22	7.52	0.6	50.4	0.05	106.7	0.09	0.022
	Minimum	0	0	0	0	9	7.1	0.42	48.4	0.05	102.7	0.08	0.004

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Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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OF INAMAIN	VIC	11141. 5						-					Waste
		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
3-Jul-18	Well Head	0	0	0	0	9	7.12	0.57	47.9	0.05	101.3	0.08	0.000
3-Jul-18	1252 Westurne Heights	0	0	0	0	15	7.15	0.63	49.6	0.05	105.0	0.11	0.000
9-Jul-18	1263 Westurne Heights	0	0	0	0	17	7.13	0.56	48.9	0.05	103.7		
9-Jul-18	Well Head	0	0	0	0	9	7.15	0.62	46.8	0.05	103.5		
16-Jul-18	Well Head	0	0	0	0	9	7.23	0.63	49.1	0.05	103.9		
16-Jul-18	1252 Westurne Heights	0	0	0	0	17	7.19	0.56	49.5	0.05	104.8		
24-Jul-18	1263 Westurne Heights			0	0	19	7.02	0.45	49.7	0.05	105.2		
30-Jul-18	Well Head			0	0	9	7.07	0.45	49.9	0.05	105.7		
30-Jul-18	1252 Westurne Heights			0	0	20	7.06	0.46	49.8	0.05	105.5		
	Average	0	0	0	0	13.8	7.1	0.55	49.0	0.05	104.3	0.10	0.000
	Maximum	0	0	0	0	20	7.23	0.63	49.9	0.05	105.7	0.11	0.000
	Minimum	0	0	0	0	9	7.02	0.45	46.8	0.05	101.3	0.08	0.000

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Aesthetic Objective for Iron is  $\leq 0.3 \text{ mg/L}$  Aesthetic Objective for Manganese is  $\leq 0.05 \text{mg/L}$ 

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OF TVALVALIN		Health De	epartment		* Colliform (°C) PH Residual Solids (%) (μS/cm) Iron (mg/L) (mg/L) 0 0 9 6.98 0.56 47.2 0.05 100.1 0 0 15 6.96 0.55 47.2 0.05 100.2										
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *		_	рН	Chlorine Residual	Dissolved Solids		•	Iron	Manganese (mg/L)		
5-Jun-18	Well head	0	0	0	0	9	6.98	0.56	47.2	0.05	100.1				
5-Jun-18	1252 Westurne Heights	0	0	0	0	15	6.96	0.55	47.2	0.05	100.2				
11-Jun-18	1263 Westurne Heights	0	0	0	0	14	7.15	0.59	47.2	0.05	100.3	0.09	0.002		
11-Jun-18	Well head	0	0	0	0	9	7.13	0.60	47.0	0.05	99.5	0.11	0.001		
18-Jun-18	Well Head	0	0	0	0	12	7.01	0.56	48.7	0.05	103.1				
18-Jun-18	1252 Westurne Heights	0	0	0	0	17	6.90	0.45	48.2	0.05	102.1				
25-Jun-18	1263 Westurne Heights	0	0	0	0	16	7.23	0.61	48.8	0.05	103.5				
25-Jun-18	Well head	0	0	0	0	9	7.12	0.62	48.0	0.05	101.8				
	Average	0	0	0	0	12.6	7.1	0.57	47.8	0.05	101.3	0.10	0.002		
	Maximum	0	0	0	0	17	7.23	0.62	48.8	0.05	103.5	0.11	0.002		
	Minimum	0	0	0	0	9	6.9	0.45	47.0	0.05	99.5	0.09	0.001		

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OF INAMAIN		Health De	epartment					I	n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
1-May-18	1263 Westurne Heights	0	0	0	0	11	7.08	0.52	46.4	0.05	98.4		
1-May-18	Well head	0	0	0	0	9	7.07	0.55	45.9	0.05	97.2		
7-May-18	Well head	0	0	0	0	9	7.12	0.58	47.2	0.05	100.1	0.07	0.015
7-May-18	1252 Westurne Heights	0	0	0	0	13	7.12	0.57	76.0	0.08	159.7	0.05	0.009
14-May-18	1263 Westurne Heights	0	0	0	0	15	7.07	0.68	46.6	0.05	98.9		
14-May-18	Well head	0	0	0	0	9	7.05	0.67	52.5	0.05	108.2		
22-May-18	Well head	0	0	0	0	9	7.01	0.56	46.7	0.05	99.1		
22-May-18	1252 Westurne Heights	0	0	0	0	15	7.04	0.61	47.8	0.05	101.4		
29-May-18	1263 Westurne Heights			0	0	16	7.03	0.50	46.8	0.05	99.4		
29-May-18	Well head			0	0	9	7.01	0.54	47.0	0.05	99.4		
	Average	0	0	0	0	11.5	7.1	0.58	50.29	0.05	106.2	0.06	0.012
	Maximum	0	0	0	0	16	7.12	0.68	76	0.08	159.7	0.07	0.015
	Minimum	0	0	0	0	9	7.01	0.5	45.9	0.05	97.2	0.05	0.009

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Date	Sample Location (Address)	E. coli	Total Coliform	E.coli *	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
4-Apr-18	1263 Westurne Heights	0	0	0	0	6	6.72	0.50	46.8	0.05	99.3	0.11	0.002
4-Apr-18	Well head	0	0	0	0	7	6.79	0.53	61.6	0.05	129.9	0.11	0.010
9-Apr-18	Well head	0	0	0	0	8	6.73	0.48	46.1	0.05	97.0		
9-Apr-18	1252 Westurne Heights	0	0	0	0	8	6.76	0.50	46.0	0.05	96.1		
16-Apr-18	1263 Westurne Heights	0	0	0	0	8	6.71	0.46	46.1	0.05	97.4		
16-Apr-18	Well head	0	0	0	0	8	6.71	0.47	45.7	0.04	97.4		
24-Apr-18	Well head	0	0	0	0	8	7.08	0.58	46.0	0.05	97.6		
24-Apr-18	1252 Westurne Heights	0	0	0	0	8	7.08	0.56	46.3	0.05	98.3		
	Average	0	0	0	0	7.6	6.8	0.51	48.1	0.05	101.6	0.11	0.006
	Maximum	0	0	0	0	8	7.08	0.58	61.6	0.05	129.9	0.11	0.010
	Minimum	0	0	0	0	6	6.71	0.46	45.7	0.04	96.1	0.11	0.002

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#### **Comments:**



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OF TVAINAIN		Health De	epartment						n-House				
Date	Sample Location (Address)	E. coli	Total Coliform	E.col	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)
5-Mar-18	1263 Westurne Heights	0	0	0	0	4	6.85	0.40	44.4	0.04	94.3	0.08	0.017
5-Mar-18	Well head	0	0	0	0	8	6.90	0.50	45.3	0.04	96.1	0.10	0.000
12-Mar-18	Well head	0	0	0	0	8	6.81	0.51	45.3	0.04	95.7		
12-Mar-18	1252 Westurne Heights	0	0	0	0	5	6.88	0.48	45.4	0.04	96.5		
20-Mar-18	1263 Westurne Heights	0	0	0	0	6	6.88	0.43	45.5	0.04	96.3		
20-Mar-18	Well head	0	0	0	0	8	6.95	0.45	45.5	0.04	96.6		
27-Mar-18	Well head	0	0	0	0	7.5	6.98	0.47	45.5	0.04	97.0		
27-Mar-18	1252 Westurne Heights	0	0	0	0	7	6.97	0.54	45.4	0.04	96.3		
	Average	0	0	0	0	6.7	6.9	0.47	45.3	0.04	96.1	0.09	0.009
	Maximum	0	0	0	0	8	6.98	0.54	45.5	0.04	97.0	0.10	0.017
	Minimum	0	0	0	0	4	6.81	0.40	44.4	0.04	94.3	0.08	0.000

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OI TVALVAIIVIO		<b>Health Department</b>		In-House										
Date	Sample Location (Address)	E. coli	Total Coliform	E.co	Total Coliform	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)	
5-Feb-18	1263 Westurne Heights	0	0	0	0	7	6.95	0.56	46.3	0.05	98.4	0.04	0.001	
5-Feb-18	Well head	0	0	0	0	8	6.95	0.57	47.1	0.05	99.2	0.02	0.000	
14-Feb-18	Well head	0	0	0	0		6.95	0.61	46.4	0.05	96.3			
14-Feb-18	1252 Westurne Heights	0	0	0	0		6.95	0.57	46.1	0.05	97.9			
20-Feb-18	1263 Westurne Heights	0	0	0	0	5	6.75	0.58	46.0	0.05	97.0			
20-Feb-18	Well head	0	0	0	0	8	6.78	0.56	46.0	0.05	97.3			
27-Feb-18	Well head	0	0	0	0	8	6.85	0.45	45.0	0.04	95.6			
27-Feb-18	1252 Westurne Heights	0	0	0	0	4	6.78	0.44	44.8	0.04	94.9			
	Average	0	0	0	0	6.7	6.9	0.54	46.0	0.05	97.1	0.03	0.001	
	Maximum	0	0	0	0	8	6.95	0.61	47.1	0.05	99.2	0.04	0.001	
	Minimum	0	0	0	0	4	6.75	0.44	44.8	0.04	94.9	0.02	0.000	

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OF INANAIMO		Health De	epartment	In-House										
Date	Sample Location (Address)	E. coli *	Total Coliform	E.coli *	Total Coliform *	Temp. (°C)	рН	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Total Iron (mg/L)	Manganese (mg/L)	
2-Jan-18	Well Head	0	0	0	0		6.90	0.59	48.6	0.05	102.8	0.11	0.022	
2-Jan-18	1252 Westurne Heights	0	0	0	0		6.94	0.57	46.8	0.05	99.1	0.11	0.000	
8-Jan-18	1263 Westurne Heights	0	0	0	0	8	7.02	0.56	46.7	0.05	99.2			
8-Jan-18	Well Head	0	0	0	0	8	7.10	0.57	46.9	0.05	99.6			
15-Jan-18	Well Head	0	0	0	0	8	6.85	0.58	46.5	0.05	98.2			
15-Jan-18	1252 Westurne Heights	0	0	0	0	4	6.90	0.58	46.1	0.05	97.9			
22-Jan-18	1263 Westurne Heights	0	0	0	0	7	6.85	0.61	46.7	0.05	99.0			
22-Jan-18	Well Head	0	0	0	0	8	6.72	0.60	46.9	0.05	99.3			
29-Jan-18	Well Head			0	0	7	6.83	0.53	46.6	0.05	98.9			
29-Jan-18	1252 Westurne Heights			0	0	6	7.02	0.51	47.1	0.05	99.9			
	Average	0	0	0	0	7	6.9	0.57	46.9	0.05	99.4	0.11	0.011	
	Maximum	0	0	0	0	8	7.10	0.61	48.6	0.05	102.8	0.11	0.022	
	Minimum	0	0	0	0	4	6.72	0.51	46.1	0.05	97.9	0.11	0.000	

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\*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

#### Comments: